

AMENDMENTS IN THE CLAIMS

Please amend claims 1, 4 and 10 as follows:

1 1. (Currently Amended) A printer controlling method, comprising:

2 (a) classifying a page area to be printed into image data and font data, when a
3 printing command is received from an application;

4 (b) dividing the image data according to objects and processing the image data in
5 units of objects; and

6 (c) counting [[the]] a number of vector object functions for outputting each of the
7 objects processed in step (b), and converting the page area into a bitmap if the counted
8 value is equal to or greater than a limit value.

1 2. (Original) The printer controlling method of claim 1, further comprising the
2 step of processing only the area having no objects as a bitmap when there is an image data
3 area that cannot be divided into objects.

1 3. (Original) The printer controlling method of claim 1, wherein the step (c)
2 further comprises a step of processing the image data in units of objects if the counted
3 value is smaller than the limit value.

1 4. (Currently Amended) A printer controlling apparatus, comprising:

2 a graphic engine unit for dividing a printing page received from an application into

3 image data and font data;

4 a printer driver for dividing the image data into objects and producing a bitmap
5 command if ~~[[the]]~~ a number of vector object functions ~~depending on~~ for outputting each
6 of the objects is equal to or greater than a limit value or producing an object-unit
7 command if the number of functions is smaller than the limit value; and

8 a printer for printing the page according to the command produced by the printer
9 driver.

1 5. (Original) The apparatus of claim 4, said printer driver comprising:

2 a graphic module unit for processing image data; and

3 a font module unit for processing font data.

1 6. (Original) The apparatus of claim 5, said graphic module unit comprises:

2 a vector module unit; and

3 a raster module unit.

1 7. (Original) The apparatus of claim 6, said vector module unit comprises:

2 a path module unit for dividing said image data into objects and producing
3 commands for said objects; and

4 a brush module unit for dividing said image data by colors and producing
5 commands for said colors.

1 8. (Original) The apparatus of claim 6, said raster module unit comprising a bit
2 map module unit for converting said image data into a bitmap and producing a command
3 for said bitmap.

1 9. (Original) The apparatus of claim 5, wherein said font module unit comprises:
2 a first font type unit that corresponds to a download truetype font;
3 a second font type unit that corresponds to a download bitmap font; and
4 a third font type unit that corresponds to a truetype font that is graphic.

1 10. (Currently Amended) A printer controlling method, comprising:
2 generating a printing command at a user's request from an application;
3 dividing the area of a printing page into image data and font data when said
4 printing command is received from said application;
5 determining whether said printing page is image data or font data;
6 producing font command if said printing page is font data;
7 determining if vector mode is selected by said user if said printing page is image
8 data;
9 producing a raster command when said printing page is image data and vector
10 mode is not selected by said user;
11 executing vector mode where image data is processed as object-unit commands if

vector mode is selected by said user;

determining if there are vector object functions present if vector mode is selected by said user;

producing raster commands for areas of said printing page that have no vector ~~objects~~ object function if vector mode is selected by said user;

counting a number of vector object functions present if vector mode is selected by said user;

determining whether said number of vector object functions is less than a predetermined value if vector mode is selected by said user;

producing a vector command for processing a page area in units of objects if said number of vector object functions is less than said predetermined value;

producing a raster command for processing a page area corresponding to said counted functions as a bitmap if said number of vector object functions is not less than said predetermined value; and

transferring any raster commands, font commands, and vector commands to a printer.